

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	52	kinugawa-hiroyuki.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/18 16:20
L2	5997	123/90.15-90.18,90.27,90.31.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/18 16:20
L3	1250	92/160,161.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/18 16:20
L4	7281	L2 or L3 or 92/5L.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/18 16:20
L5	51022	lock\$3 with (hole or bore or recess) with (protru\$5 or exten\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/18 16:22
L6	198	L4 and L5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/18 16:23
L7	1625	lock\$3 with (hole or bore or recess) with (protru\$5 or exten\$5) same (relative near3 rotat\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/18 16:22
L8	44	L4 and L7	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/18 16:23
S1	50	kinugawa-hiroyuki.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/18 16:17
S2	0	jp-14155713-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/03/31 14:09
S3	5314	123/90.15-90.18,90.27,90.31.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/01 16:51
S4	1244	92/160,161.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/03/31 14:10

S5	1	123/90.15-90.18,90.27,90.31.ccls. and 92/5L.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/03/31 14:11
S6	0	92/160,161.ccls. and 92/5L.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/03/31 14:11
S7	2	92/160,161.ccls. and 123/90. 15-90.18,90.27,90.31.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/03/31 14:13
S8	2277	(rotor or rotary) same (lock or prevent\$3 or fix\$3) near2 rotat\$3 with (bore or hole or cylinder)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/03/31 14:16
S9	19	123/90.15-90.18,90.27,90.31.ccls. and ((rotor or rotary) same (lock or prevent\$3 or fix\$3) near2 rotat\$3 with (bore or hole or cylinder))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/03/31 14:16
S10	214	(phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/12 15:34
S11	73	((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) and 123/90.15-90.18,90.27,90.31. ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/01 17:22
S12	2	((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) and 92/5L,120-125.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/01 17:26
S13	5	((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) and 464/160,161.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/01 17:26
S14	399	(phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock\$3 near2 pin	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/01 17:21
S15	227	(phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same locking near2 pin	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/01 17:27

S16	176	((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same locking near2 pin) not (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) or (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) and 123/90.15-90.18,90.27,90.31.ccls.) or (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) and 92/5L,120-125.ccls.))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/01 17:28
S17	36	(((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same locking near2 pin) not (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) or (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) and 123/90.15-90.18,90.27,90.31.ccls.) or (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) and 92/5L,120-125.ccls.))) and 123/90.15-90.18,90.27,90.31.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/01 17:30
S18	1	(((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same locking near2 pin) not (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) or (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) and 123/90.15-90.18,90.27,90.31.ccls.) or (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) and 92/5L,120-125.ccls.))) and 92/5L,120-125.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/01 17:36

S19	2	((((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same locking near2 pin) not (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) or (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) and 123/90.15-90.18,90.27,90.31.ccls.) or (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) and 92/5L,120-125.ccls.))) and 464/160,161.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/01 17:36
S20	599	(phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock\$ near2 (mechanism or piston)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/01 17:27
S21	593	(phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock\$3 near2 (mechanism or piston)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/01 17:28
S22	525	((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock\$3 near2 (mechanism or piston)) not (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) or (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) and 123/90.15-90.18, 90.27,90.31.ccls.) or (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) and 92/5L, 120-125.ccls.))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/01 17:28

S23	557	((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock\$3 near2 (mechanism or piston)) not (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same locking near2 pin) not (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) or (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) and 123/90.15-90.18,90.27,90.31.ccls.) or (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) and 92/5L,120-125.ccls.))) or (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same locking near2 pin) not (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) or (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) and 123/90.15-90.18,90.27,90.31.ccls.) or (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) and 92/5L,120-125.ccls.))) and 123/90.15-90.18,90.27,90.31.ccls.) or (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same locking near2 pin) not (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) or (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) and 123/90.15-90.18,90.27,90.31.ccls.) or (((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock near2 pin) and 92/5L,120-125.ccls.))) and 92/5L,120-125.ccls.)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/01 17:29
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S28	1748	123/90.17.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/01 17:38
S29	3	"5826552".URPN.	USPAT	OR	ON	2004/04/01 17:40
S30	4	("4858572" "5666914" "5724929" "5738056").PN.	USPAT	OR	ON	2004/04/01 17:41
S31	1	osamu-komazawa.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/12 09:48
S32	81	komazawa-osamu.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/12 09:49
S33	5	"5826552"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/12 10:10
S34	4	("4858572" "5666914" "5724929" "5738056").PN.	USPAT	OR	ON	2004/04/12 10:18
S35	37	92/5L.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/12 15:28
S36	739239	mitsubishi-\$.as.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/12 15:33
S37	50180	mitsubishi-\$.as. and ((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock or pin or impeller or piston or stop\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/12 15:36
S38	1236	(mitsubishi-\$.as. and ((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock or pin or impeller or piston or stop\$3)) and (lock or pin or impeller or piston or stop\$3) near3 (hole or cylinder or bore) with (slid\$4 or side\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/12 16:09

S39	130	((mitsubishi-\$as. and ((phaser or adjuster or (variable near2 (valve or timing)) or VCT or VVT or VTC) same lock or pin or impeller or piston or stop\$3)) and (lock or pin or impeller or piston or stop\$3) near3 (hole or cylinder or bore) with (slid\$4 or side\$3)) and ("123"/\$ or "251"/\$ or "92"/\$ or "137"/\$).ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/12 16:11
S40	11641	(lock\$3 or pin or impeller or piston or stop\$3) near3 (hole or cylinder or bore) with (slid\$4 or side\$3 or axial\$2) same (unlock\$3 or releas\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/12 16:11
S41	605	((lock\$3 or pin or impeller or piston or stop\$3) near3 (hole or cylinder or bore) with (slid\$4 or side\$3 or axial\$2) same (unlock\$3 or releas\$3)) and ("123"/\$ or "251"/\$ or "92"/\$).ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/12 16:12
S42	732894	mitsubishi-\$as.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/27 15:48
S43	101	S42 and 123/90.17.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/27 15:49
S44	5	(US-20020062798-\$).did. or (US-5826552-\$ or US-6276322-\$ or US-6325032-\$ or US-6443112-\$).did.	US-PGPUB; USPAT	OR	ON	2005/02/11 11:50
S45	0	S44 and separate near2 (oil or fluid)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/02/11 11:51
S46	1906	123/90.17.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/02/11 11:51
S47	58	S46 and separate near2 (oil or fluid)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/02/11 11:59
S48	11	S46 and separate near2 lock\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/02/11 11:59
S49	0	("2004/0055550").URPN.	USPAT	OR	ON	2005/02/11 12:04
S50	0	("2004/0055550").URPN.	USPAT	OR	ON	2005/02/11 12:13

S51	11	"5901674"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/02/11 12:13
S52	1	de-69711160-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/06/14 10:59